

## SEQUENCE SUBMISSION

5 SEQ ID NO: 1 provides a primate IL-174 polynucleotide sequence.  
 SEQ ID NO: 2 provides a primate IL-174 polypeptide sequence.  
 SEQ ID NO: 3 provides a murine IL-174 polynucleotide sequence.  
 SEQ ID NO: 4 provides a murine IL-174 polypeptide sequence.

10 <110> Hurst, Stephen D.  
 Zurawski, Sandra M.  
 Rennick, Donna M.

<120> Cytokine Uses; Compositions; Methods

15 <130> DX01088K

<140>  
 <141>

20 <150> US 60/198,488  
 <151> 2000-04-18

<160> 4

25 <170> PatentIn Ver. 2.0

<210> 1  
 <211> 504  
 <212> DNA  
 30 <213> primate

<220>  
 <221> CDS  
 <222> (19)..(501)

35 <220>  
 <221> mat\_peptide  
 <222> (67)..(501)

40 <400> 1  
 tgagtgtgca gtgccagc atg tac cag gtg gtt gca ttc ttg gca atg gtc 51  
 Met Tyr Gln Val Val Ala Phe Leu Ala Met Val  
 -15 -10

45 atg gga acc cac acc tac agc cac tgg ccc agc tgc tgc ccc agc aaa 99  
 Met Gly Thr His Thr Tyr Ser His Trp Pro Ser Cys Cys Pro Ser Lys  
 -5 -1 1 5 10

50 ggg cag gac acc tct gag gag ctg ctg agg tgg agc act gtg cct gtg 147  
 Gly Gln Asp Thr Ser Glu Glu Leu Leu Arg Trp Ser Thr Val Pro Val  
 15 20 25

cct ccc cta gag cct gct agg ccc aac cgc cac cca gag tcc tgt agg 195  
 Pro Pro Leu Glu Pro Ala Arg Pro Asn Arg His Pro Glu Ser Cys Arg  
 55 30 35 40

gcc agt gaa gat gga ccc ctc aac agc agg gcc atc tcc ccc tgg aga 243  
 Ala Ser Glu Asp Gly Pro Leu Asn Ser Arg Ala Ile Ser Pro Trp Arg  
 45 50 55

tat gag ttg gac aga gac ttg aac cgg ctc ccc cag gac ctg tac cac 291  
 Tyr Glu Leu Asp Arg Asp Leu Asn Arg Leu Pro Gln Asp Leu Tyr His  
 60 65 70 75

5 gcc cgt tgc ctg tgc ccg cac tgc gtc agc cta cag aca ggc tcc cac 339  
 Ala Arg Cys Leu Cys Pro His Cys Val Ser Leu Gln Thr Gly Ser His  
 80 85 90

10 atg gac ccc cgg ggc aac tcg gag ctg ctc tac cac aac cag act gtc 387  
 Met Asp Pro Arg Gly Asn Ser Glu Leu Leu Tyr His Asn Gln Thr Val  
 95 100 105

15 ttc tac cgg cgg cca tgc cat ggc gag aag ggc acc cac aag ggc tac 435  
 Phe Tyr Arg Arg Pro Cys His Gly Glu Lys Gly Thr His Lys Gly Tyr  
 110 115 120

20 tgc ctg gag cgc agg ctg tac cgt gtt tcc tta gct tgt gtg tgt gtg 483  
 Cys Leu Glu Arg Arg Leu Tyr Arg Val Ser Leu Ala Cys Val Cys Val  
 125 130 135

25 cgg ccc cgt gtg atg ggc tag 504  
 Arg Pro Arg Val Met Gly  
 140 145

30 <210> 2  
 <211> 161  
 <212> PRT  
 <213> primate

35 <400> 2  
 Met Tyr Gln Val Val Ala Phe Leu Ala Met Val Met Gly Thr His Thr  
 -15 -10 -5 -1

40 Tyr Ser His Trp Pro Ser Cys Cys Pro Ser Lys Gly Gln Asp Thr Ser  
 1 5 10 15

Glu Glu Leu Leu Arg Trp Ser Thr Val Pro Val Pro Pro Leu Glu Pro  
 20 25 30

Ala Arg Pro Asn Arg His Pro Glu Ser Cys Arg Ala Ser Glu Asp Gly  
 35 40 45

45 Pro Leu Asn Ser Arg Ala Ile Ser Pro Trp Arg Tyr Glu Leu Asp Arg  
 50 55 60

50 Asp Leu Asn Arg Leu Pro Gln Asp Leu Tyr His Ala Arg Cys Leu Cys  
 65 70 75 80

Pro His Cys Val Ser Leu Gln Thr Gly Ser His Met Asp Pro Arg Gly  
 85 90 95

55 Asn Ser Glu Leu Leu Tyr His Asn Gln Thr Val Phe Tyr Arg Arg Pro  
 100 105 110

Cys His Gly Glu Lys Gly Thr His Lys Gly Tyr Cys Leu Glu Arg Arg  
 115 120 125

60 Leu Tyr Arg Val Ser Leu Ala Cys Val Cys Val Arg Pro Arg Val Met

130 135 140

5 Gly  
145

10 <210> 3  
<211> 985  
<212> DNA  
<213> rodent

15 <220>  
<221> CDS  
<222> (1)..(507)

20 <220>  
<221> mat\_peptide  
<222> (49)..(507)

20 <400> 3  
atg tac cag gct gtt gca ttc ttg gca atg atc gtg gga acc cac acc 48  
Met Tyr Gln Ala Val Ala Phe Leu Ala Met Ile Val Gly Thr His Thr  
-15 -10 -5 -1

25 gtc agc ttg cgg atc cag gag ggc tgc agt cac ttg ccc agc tgc tgc 96  
Val Ser Leu Arg Ile Gln Glu Gly Cys Ser His Leu Pro Ser Cys Cys  
1 5 10 15

30 ccc agc aaa gag caa gaa ccc ccg gag gag tgg ctg aag tgg agc tct 144  
Pro Ser Lys Glu Gln Glu Pro Pro Glu Glu Trp Leu Lys Trp Ser Ser  
20 25 30

35 gca tct gtg tcc ccc cca gag cct ctg agc cac acc cac cac gca gaa 192  
Ala Ser Val Ser Pro Pro Glu Pro Leu Ser His Thr His His Ala Glu  
35 40 45

40 tcc tgc agg gcc agc aag gat ggc ccc ctc aac agc agg gcc atc tct 240  
Ser Cys Arg Ala Ser Lys Asp Gly Pro Leu Asn Ser Arg Ala Ile Ser  
50 55 60

45 cct tgg agc tat gag ttg gac agg gac ttg aat cgg gtc ccc cag gac 288  
Pro Trp Ser Tyr Glu Leu Asp Arg Asp Leu Asn Arg Val Pro Gln Asp  
65 70 75 80

50 ctg tac cac gct cga tgc ctg tgc cca cac tgc gtc agc cta cag aca 336  
Leu Tyr His Ala Arg Cys Leu Cys Pro His Cys Val Ser Leu Gln Thr  
85 90 95

55 ggc tcc cac atg gac ccg ctg ggc aac tcc gtc cca ctt tac cac aac 384  
Gly Ser His Met Asp Pro Leu Gly Asn Ser Val Pro Leu Tyr His Asn  
100 105 110

55 cag acg gtc ttc tac cgg cgg cca tgc cat ggt gag gaa ggt acc cat 432  
Gln Thr Val Phe Tyr Arg Arg Pro Cys His Gly Glu Glu Gly Thr His  
115 120 125

60 cgc cgc tac tgc ttg gag cgc agg ctc tac cga gtc tcc ttg gct tgt 480  
Arg Arg Tyr Cys Leu Glu Arg Arg Leu Tyr Arg Val Ser Leu Ala Cys  
130 135 140

gtg tgt gtg cgg ccc cgg gtc atg gct tagtcatgct caccacctgc 527  
 Val Cys Val Arg Pro Arg Val Met Ala  
 145 150

5 ctgaggctga tgcccgggtg ggagagaggg ccaggtgtac aatcaccttg ccaatgcggg 587  
 ccgggttcaa gccctccaaa gccctacctg aagcagcagg ctcccgggac aagatggagg 647  
 10 acttggggag aaactctgac ttttgcactt tttggaagca cttttgggaa ggagcagggtt 707  
 ccgcttgtgc tgctagagga tgctgttgtg gcatttctac tcaggaacgg actccaaagg 767  
 cctgctgacc ctggaagcca tactcctggc tcctttcccc tgaatcccc aactcctggc 827  
 15 acaggcactt tctccacctc tccccctttg ccttttggtg tgtttgtttg tgcattgcaa 887  
 ctctgcgtgc agccagggtg aattgccttg aaggatgggt ctgaggtgaa agctgttatc 947  
 gaaagtgaag agatttatcc aaataaacat ctgtgttt 985

20

<210> 4  
 <211> 169  
 <212> PRT  
 25 <213> rodent

<400> 4  
 Met Tyr Gln Ala Val Ala Phe Leu Ala Met Ile Val Gly Thr His Thr  
 -15 -10 -5 -1

30 Val Ser Leu Arg Ile Gln Glu Gly Cys Ser His Leu Pro Ser Cys Cys  
 1 5 10 15

35 Pro Ser Lys Glu Gln Glu Pro Pro Glu Glu Trp Leu Lys Trp Ser Ser  
 20 25 30

Ala Ser Val Ser Pro Pro Glu Pro Leu Ser His Thr His His Ala Glu  
 35 40 45

40 Ser Cys Arg Ala Ser Lys Asp Gly Pro Leu Asn Ser Arg Ala Ile Ser  
 50 55 60

45 Pro Trp Ser Tyr Glu Leu Asp Arg Asp Leu Asn Arg Val Pro Gln Asp  
 65 70 75 80

Leu Tyr His Ala Arg Cys Leu Cys Pro His Cys Val Ser Leu Gln Thr  
 85 90 95

50 Gly Ser His Met Asp Pro Leu Gly Asn Ser Val Pro Leu Tyr His Asn  
 100 105 110

Gln Thr Val Phe Tyr Arg Arg Pro Cys His Gly Glu Glu Gly Thr His  
 115 120 125

55 Arg Arg Tyr Cys Leu Glu Arg Arg Leu Tyr Arg Val Ser Leu Ala Cys  
 130 135 140

Val Cys Val Arg Pro Arg Val Met Ala  
 145 150